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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/782,724

02/19/2004

Thierry Parrassin

02-GR1-410

3421

23334

7590

04/05/2005

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EXAMINER

LEE, HSIEN MING

ART UNIT

PAPER NUMBER

2823

DATE MAILED: 04/05/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

H.A

Office Action Summary	Application No. 10/782,724	Applicant(s) PARRASSIN, THIERRY	
	Examiner Hsien-ming Lee	Art Unit 2823	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 March 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-17 is/are pending in the application.
- 4a) Of the above claim(s) 9-17 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☐ Claim(s) _____ is/are rejected.
- 7) ☒ Claim(s) 1-8 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 19 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

HSIEN-MING LEE
PRIMARY EXAMINER

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 071904.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

4/1/05

DETAILED ACTION

Election/Restrictions

1. Applicant's election with traverse of claims 1-8 in the reply filed on 3/7/2005 is acknowledged. The traversal is on the ground(s) that claims 9-17 (i.e. non-elected claims) are directed to a semiconductor device treated in accordance with the method of claims 1-8. This is not found persuasive because claims 1-8 (i.e. elected claims) do not recite any processing steps for forming a *minimum distance*, in a direction parallel to a surface of the substrate, between the active zone of an isolated structures and any other active zone of the device, is *greater than* the thickness of the insulator layer of the substrate in a direction perpendicular to the surface of the substrate, which are the claimed features in non-elected claims 9-17.

The requirement is still deemed proper and is therefore made FINAL.

2. Applicant is reminded to cancel non-elected claims 9-17.

Claim Objections

3. Claim 1 is objected to because of the following informalities:

In claim 1, at line 2, changing "the surface" into – a surface – is suggested.

In claim 1, at lines 9-10, the term "the second defined metal line" is not consistent with the term "a second metal line" (line 5).

In claim 1, at line 13, the term "the first defined metal line" is not consistent with the term "a first metal line" (line 12).

Allowable Subject Matter

4. Claim 1 would be allowable if rewritten or amended to overcome the objection set forth in this Office action.

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5. Claims 2-8 are objected to as being dependent upon an objected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter:

Iyer et al. to US 2002/0132395 (submitted by applicant) teach forming a buried oxide layer 20 on a substrate 10; forming an active zone 30 on the buried oxide layer 20 (Fig.1); forming an aperture 54 to expose the active zone 30 (Fig.3); and subjecting the substrate to ion beam to form anion implanted region 25 in the buried oxide layer 20.

In contrast, Iyer et al. at least neither teach nor suggest causing the buried oxide layer (i.e. an insulator layer) of the substrate to break down by subjecting a second metal line to a focused ion beam; forming an electrical connection between a first metal line and a second metal line; and breaking the electrical connection.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hsien-ming Lee whose telephone number is 571-272-1863. The examiner can normally be reached on Tuesday-Thursday (8:00 ~ 6:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Olik Chaudhuri can be reached on 571-272-1855. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Hsien-ming Lee
Primary Examiner
Art Unit 2823

April 1, 2005

HSIEN-MING LEE
PRIMARY EXAMINER

4/1/2005